

ABSTRACT

A light emitting device calibration system includes a device under test including a light emitting device to be calibrated and a microprocessor electrically coupled to the light emitting device. A light detector is coupled to the device under test. During a calibration mode, the microprocessor controls power of the light emitting device by changing values of a drive signal to the light emitting device, receives a power indication corresponding to light emitted by the light emitting device, and determines a power relationship relating values of the drive signal to powers of the light emitting device according to a power indication for each of a plurality of values of the drive signal. The light detector coupled to the device under test detects the light emitted by the light emitting device to generate the power indication corresponding to the light emitted by the light emitting device.